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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William R. Wheeler et al.

Art Unit : 2123

Serial No. : 09/994,574

Examiner : Unknown

Filed : November 26, 2001

Title : UNIFIED DESIGN PARAMETER DEPENDENCY MANAGEMENT METHOD
AND APPARATUS

RECEIVED

Attention: Official Draftsman

SEP 22 2003

Commissioner for Patents

Technology Center 2100

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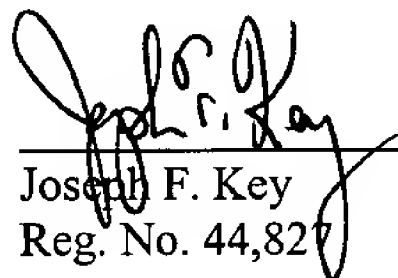
TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed four (4) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 9/12/2003


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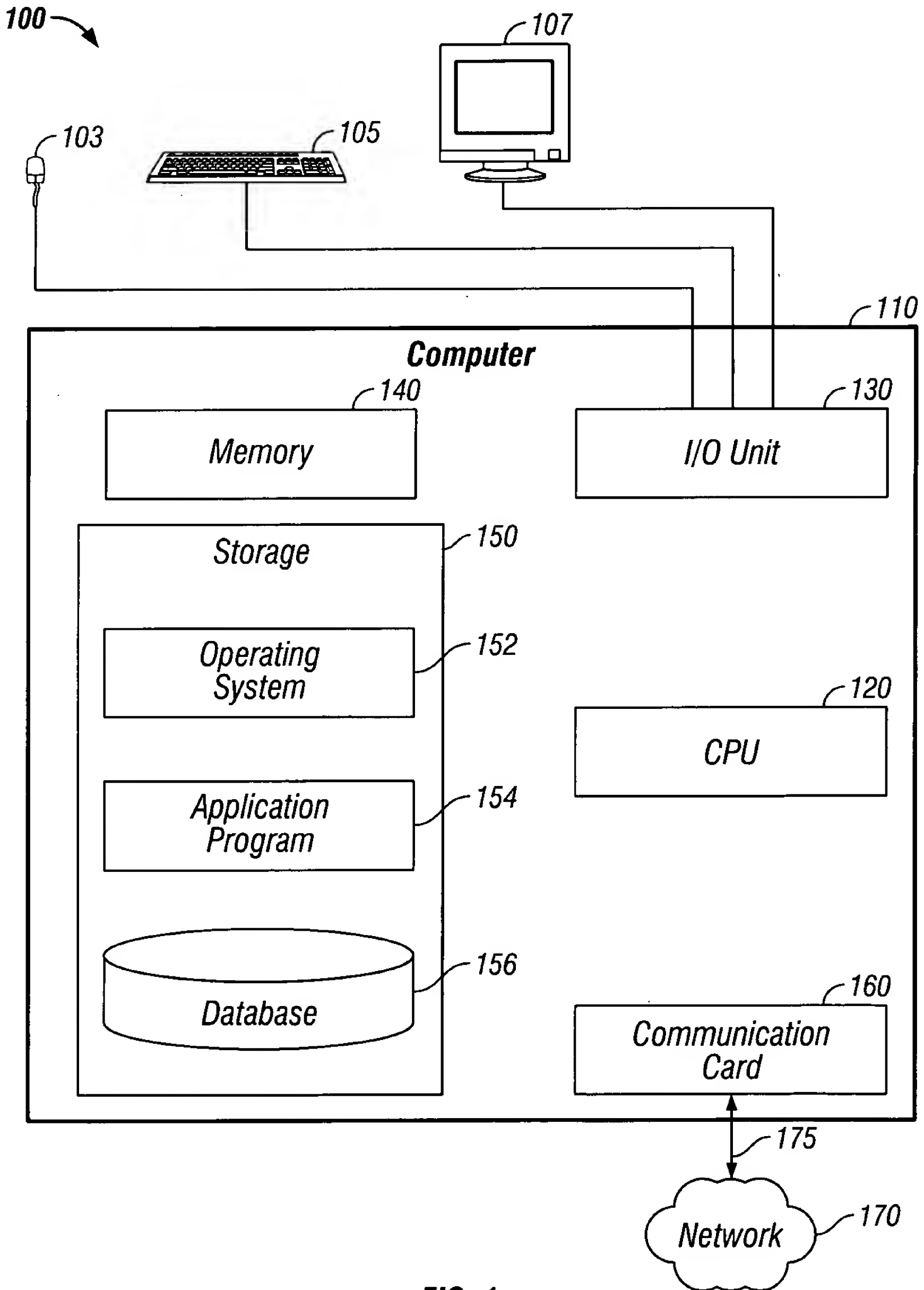


FIG. 1



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200 →

<i>Upper Data Field</i>				<i>Lower Data Field</i>				<i>Status</i>			<i>Parity</i>	
31		16		15		6		5	3		2	0
240				230				220			210	

FIG. 2

300 →

<i>Data_Word_Range</i>	31:0
<i>Upper_Data_Range</i>	31:16
<i>Lower_Data_Range</i>	15:6
<i>Status_Range</i>	5:3
<i>Parity_Range</i>	2:0
<i>Data_Word_Width</i>	32
<i>Upper_Data_Width</i>	16
<i>Lower_Data_Width</i>	10
<i>Status_Width</i>	3
<i>Parity_Width</i>	3

FIG. 3

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400

```
reg [DATA_WORD_WIDTH-1:0] data_word;  
reg [UPPER_DATA_WIDTH-1:0] upper_data_field;  
reg [LOWER_DATA_WIDTH-1:0] lower_data_field;  
reg [STATUS_WIDTH-1:0] status;  
reg [PARITY_WIDTH-1:0] parity  
upper_data_field[UPPER_DATA_WIDTH-1:0] = data_word[UPPER_DATA_RANGE];  
lower_data_field[LOWER_DATA_WIDTH-1:0] = data_word[LOWER_DATA_RANGE];  
status[STATUS_WIDTH-1:0] = data_word[STATUS_RANGE];  
parity[PARITY_WIDTH-1:0] = data_word[PARITY_RANGE];
```

FIG. 4A

450

```
reg [31:0] data_word;  
reg [15:0] upper_data_field;  
reg [9:0] lower_data_field;  
reg [2:0] status;  
reg [2:0] parity;  
upper_data_field[15:0] = data_word[31:16];  
lower_data_field[9:0] = data_word[15:6];  
status[2:0] = data_word[5:2];  
parity[2:0] = data_word[2:0];
```

FIG. 4B



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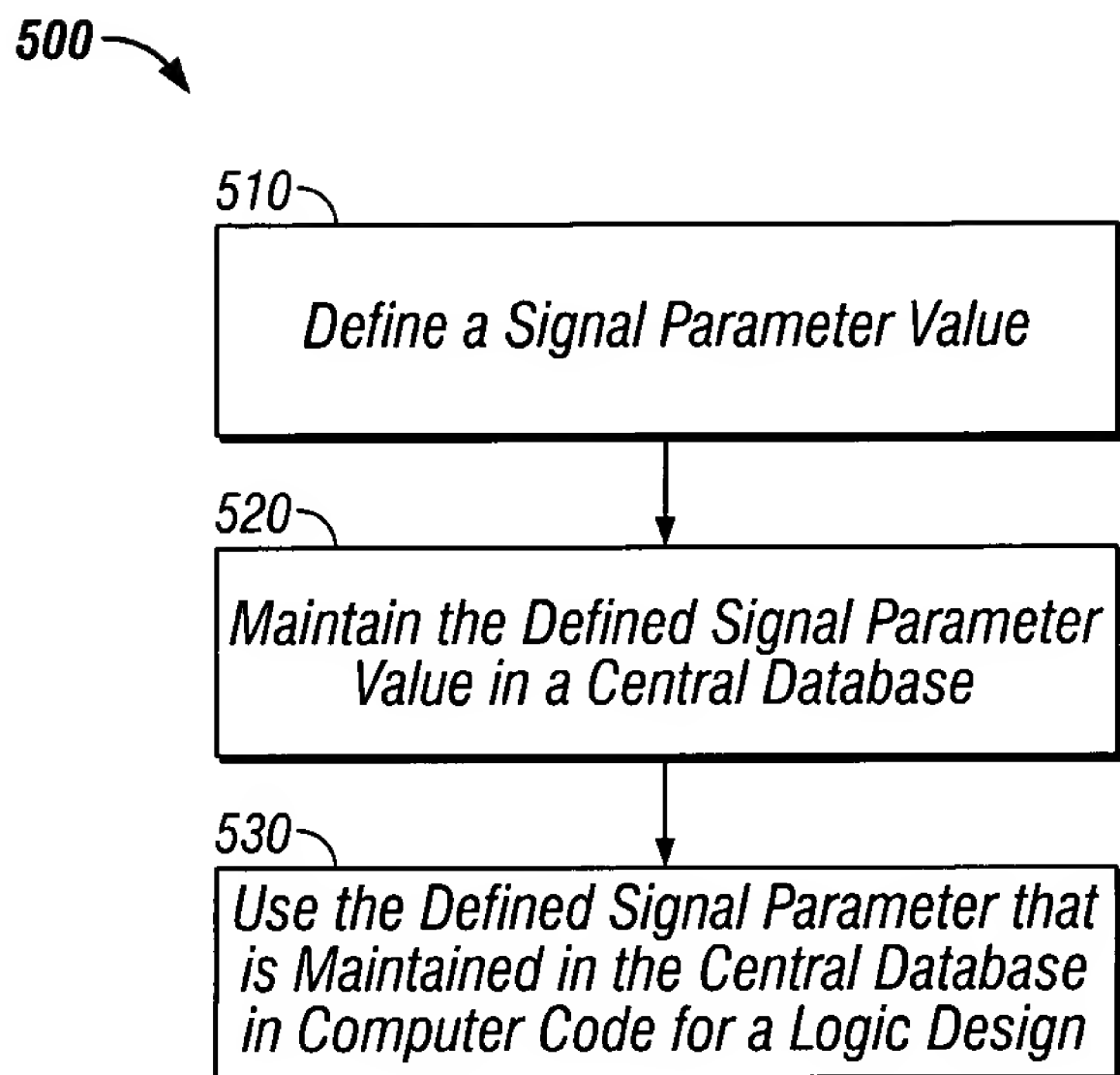


FIG. 5